| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 1 | ("5930022").PN. | USPAT; USOCR | OR | OFF | 2005/10/14 15:49 |
| S2 | 2 | modulator$1 same (differential) same substrate$1 same (transmission with line$1) same resistor$1 same inductance$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/14 15:25 |
| S3 | 2170 | (359/245,248,254).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/14 15:23 |
| S4 | 6897 | (385/1-3,14,130,131).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/14 15:24 |
| S5 | 8829 | S3 or S4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/14 15:24 |
| S6 | 7926 | S5 and @ad<="20030411" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/14 15:24 |
| S7 | 2 | modulator$1 same (differential) same substrate$1 same (transmission with line$1) same resistor$1 same inductance$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/14 15:27 |
| S8 | 242 | S5 and (modulator$1 with series) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/14 15:38 |
| S9 | 8850 | (modulator$1 with series) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/14 15:45 |

| S10 | 163 | S9 and (substrate$1 with line$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/14 15:45 |
|-----|-----|----------------------------------|---------|----|-----|-----------------|
| S11 | 984 | S9 and ((differential or driver) with circuit$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/14 15:46 |
| S12 | 512 | S9 and (semiconductor$1 with modulator$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/14 15:46 |
| S13 | 4728 | S9 and (resist$1 or induct$5 or capacit$5) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/14 15:47 |
| S14 | 7 | S10 and S11 and S12 and S13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/14 15:47 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 0 | (modulator$1 with series with differential with substrate$1 with transmission with line$1 with resist$5 with induct$5).clm. | US-PGPUB | OR | OFF | 2005/10/14 15:50 |

**EAST Search Results Case No. 10/805,289**

| US 5930022 A | USPAT | Driving circuit for electro-absorption optical modulator | 359/248 |
|---|---|---|---|
| US 6914706 B2 | USPAT | Optical modulator | 359/245 |
| US 20040202397 A | DERWENT | Differential drive semiconductor optical modulator for optical transmission system, has two semiconductor modulators mounted on substrate arranged in series along axis, and inductances interposed between modulators and resistors | |
| US 20040067006 A1 | US-PGPUB | Transmitter photonic integrated circuit ( TxPIC) chips | 385/14 |
| US 20040202397 A1 | US-PGPUB | Differential drive semiconductor optical modulator | 385/2 |
| US 20050025409 A1 | US-PGPUB | Submount for a photonic integrated circuit (PIC) chip | 385/14 |

*NPL SEARCH (INSPEC) HISTORY CLASE 10/805,289*

# Dial●g DataStar®

options    logoff    feedback    help

database    easy search

## Advanced Search:

### INSPEC - 1969 to date (INZZ)

limit

Search history:

| No. | Database | Search term | Info added since | Results | |
|-----|----------|-------------|------------------|---------|---|
| 1 | INZZ | modulator$1 WITH series | unrestricted | 257 | show titles |
| 2 | INZZ | 1 AND substrate$1 WITH line$1 | unrestricted | 0 | - |
| 3 | INZZ | 1 AND (differential OR driver) WITH circuit$1 | unrestricted | 2 | show titles |
| 4 | INZZ | 1 AND semiconductor$1 WITH modulator$1 | unrestricted | 12 | show titles |
| 5 | INZZ | 4 AND (resist$1 OR induct$5 OR capacit$5) | unrestricted | 0 | - |

hide | delete all search steps... | delete individual search steps...

Enter your search term(s): Search tips    ☐ Thesaurus mapping

[                                        ] whole document [▼]  ◉

Information added since: [          ] or: [none ▼]    search
(YYYYMMDD)

Select special search terms from the following list(s):
⚙ Publication year
⚙ Classification codes A: Physics, 0-1
⚙ Classification codes A: Physics, 2-3
⚙ Classification codes A: Physics, 4-5
⚙ Classification codes A: Physics, 6
⚙ Classification codes A: Physics, 7
⚙ Classification codes A: Physics, 8
⚙ Classification codes A: Physics, 9
⚙ Classification codes B: Electrical & Electronics, 0-5
　Classification codes B: Electrical & Electronics, 6-9